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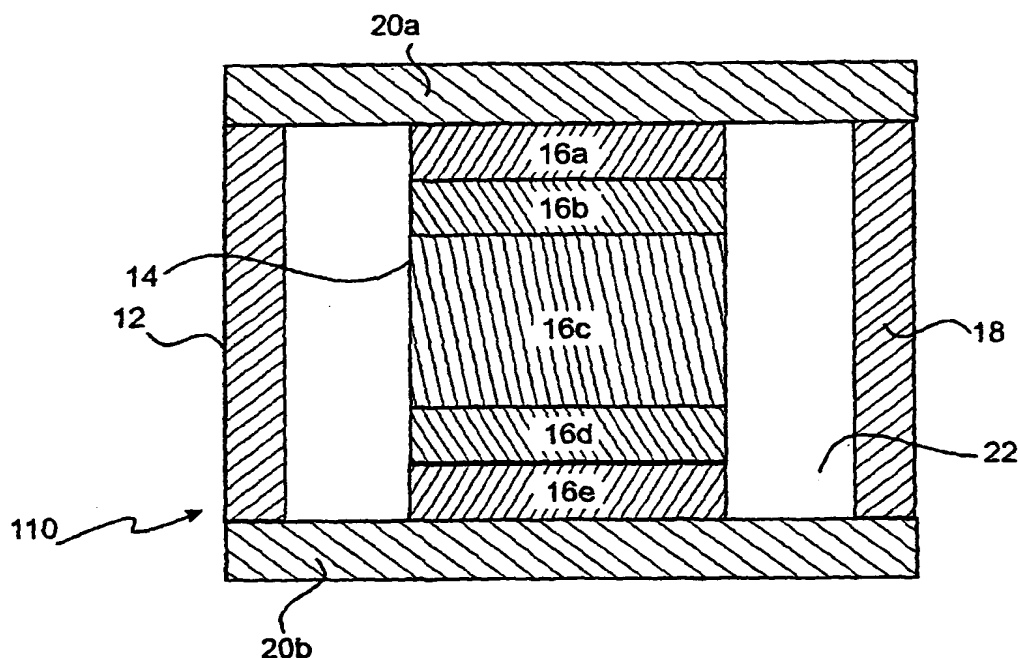
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(54) Title: **MULTI-LAYER MICROWAVE RESONATOR**



(57) Abstract: A multi-layer microwave resonator (10) comprises a cavity (12) having an inner surface formed from an electrically conductive material. Pieces (16a - 16e) of dielectric materials stacked on top of each other form a contiguous body (14) that is provided in the cavity (12). The dielectric materials of the pieces (16a - 16e) are chosen such that the dielectric constant of the pieces (16a - 16e) alternate between a relatively high dielectric constant and a relatively low dielectric constant.

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